






## PO0410 Potassium iodide, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur

assay (argentometric) . . . . . min. 99,5 %  
 assay (argentometric, referred to  
 dried sample) . . . . . 99,0 - 100,5 %  
 identity (IR-spectrum) . . . . . passes test  
 appearance of solution . . . . . passes test  
 insoluble in water . . . . . max. 0,005 %  
 pH (5 % H<sub>2</sub>O) . . . . . 6,0 - 8,0  
 alkalinity . . . . . passes test  
 chlorides and bromides (as Cl) . . . . . max. 0,01 %  
 iodates (IO<sub>3</sub>) . . . . . max. 3 ppm  
 iodates (IO<sub>3</sub>) and iodine (I) (as IO<sub>3</sub>) . . . . . max. 3 ppm  
 phosphates (as PO<sub>4</sub>) . . . . . max. 0,001 %  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,001 %  
 thiosulfates (S<sub>2</sub>O<sub>3</sub>) . . . . . passes test

total nitrogen (as N) . . . . . max. 0,001 %  
 arsenic (As) . . . . . max. 0,1 ppm  
 barium (Ba) . . . . . max. 0,002 %  
 calcium (Ca) . . . . . max. 0,001 %  
 copper (Cu) . . . . . max. 2 ppm  
 heavy metals (as Pb) . . . . . max. 5 ppm  
 iron (Fe) . . . . . max. 3 ppm  
 lead (Pb) . . . . . max. 2 ppm  
 magnesium (Mg) . . . . . max. 0,001 %  
 sodium (Na) . . . . . max. 0,005 %  
 reducing substances . . . . . passes test  
 loss on drying (105 °C, 3 h) . . . . . max. 1,0 %  
 loss on drying (150 °C, 6 h) . . . . . max. 0,2 %

ART. NO.	VOLUME	CONTAINER
PO04100250	250 g	
PO04100500	500 g	
PO04101000	1 kg	
PO0410005P	5 kg	
PO0410025P	25 kg	

## POTASSIUM IODIDE, SOLUTION 15%

### PO0415 Potassium iodide, solution 15% w/v, EssentQ®

- Synonyms: Knollide
- KI
- M = 166,01 g/mol
- CAS [7681-11-0]
- EINECS-No.: 231-659-4
- Tariff number: 2827 60 00 90
- Applications: analytical chemistry, laboratory reagent, titrant in volumetric analysis.

assay . . . . . approx. 15 %  
 phosphates (as PO<sub>4</sub>) . . . . . max. 0,001 %  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,001 %  
 total nitrogen (as N) . . . . . max. 0,001 %  
 calcium (Ca) . . . . . max. 0,001 %  
 heavy metals (as Pb) . . . . . max. 5 ppm  
 iron (Fe) . . . . . max. 3 ppm  
 sodium (Na) . . . . . max. 0,03 %

ART. NO.	VOLUME	CONTAINER
PO04151000	1 l	

## POTASSIUM METAPERIODATE

### PO0340 Potassium metaperiodate, ExpertQ®, for analysis, ACS



- Synonyms: Potassium tetroxiodate
- KIO<sub>4</sub>
- M = 230,00 g/mol
- CAS [7790-21-8]
- EINECS-No.: 232-196-0
- Solub. in water: (20 °C): 7 g/l
- Melting point: 581 °C
- ADR: 5.1 O2 II UN 1479
- IMDG: 5.1 II UN 1479
- IATA/ICAO: 5.1 II UN 1479
- GHS-signal word: Danger
- GHS-H sentences: H272
- GHS-P sentences: P221 - P210 - P220 - P280 - P370 + P378a - P501a
- Tariff number: 2829 90 80 00

- Applications: synthesis of organic products, oxidizing agent, for colourimetric determinations (manganese).
- Appearance: White-fine crystalline powder

assay (iodometric, on dried sample) . . . . . 99,8 - 100,3 %  
 insoluble in water . . . . . max. 0,005 %  
 pH (0,5 % H<sub>2</sub>O) . . . . . 5,0 - 5,4  
 other halogens (as Cl) . . . . . max. 0,01 %  
 iodides (I) . . . . . max. 0,001 %  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,005 %  
 heavy metals (as Pb) . . . . . max. 0,001 %  
 iron (Fe) . . . . . max. 0,001 %  
 manganese (Mn) . . . . . max. 1 ppm  
 sodium (Na) . . . . . max. 0,03 %  
 loss on drying (110 °C) . . . . . max. 0,05 %

ART. NO.	VOLUME	CONTAINER
PO03400100	100 g	
PO03400250	250 g	

## POTASSIUM NITRATE

- Synonyms: Nitric acid potassium salt, Saltpeter
- KNO<sub>3</sub>
- M = 101,11 g/mol
- CAS [7757-79-1]
- EINECS-No.: 231-818-8
- Solub. in water: (20 °C): 320 g/l
- Melting point: 334 °C

- LD 50 (oral, rat): 3750 mg/kg
- ADR: 5.1 O2 III UN 1486
- IMDG: 5.1 III UN 1486
- IATA/ICAO: 5.1 III UN 1486
- GHS-signal word: Danger
- GHS-H sentences: H272

- GHS-P sentences: P221 - P210 - P220 - P280 - P370 + P378a - P501a
- Tariff number: 2834 21 00 00
- Applications: analytical chemistry, laboratory reagent, oxidizing agent, in pyrotechnics, manufacture of glass, in food industry.

### PO0279 Potassium nitrate, EssentQ®



assay (acidimetric) . . . . . min. 98,5 %  
 nitrites (NO<sub>2</sub>) . . . . . max. 0,01 %  
 phosphates (as PO<sub>4</sub>) . . . . . max. 0,01 %  
 ammonium (NH<sub>4</sub>) . . . . . max. 0,02 %  
 heavy metals (as Pb) . . . . . max. 0,002 %

calcium (Ca) . . . . . max. 0,005 %  
 iron (Fe) . . . . . max. 0,001 %  
 sodium (Na) . . . . . max. 0,2 %

ART. NO.	VOLUME	CONTAINER
PO02790500	500 g	
PO02791000	1 kg	
PO0279005P	5 kg	